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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/643,644	08/19/2003	Roberta J. Cochrane	ARC920030030US1	5236	
29154 FREDERICK	7590 07/25/200 W. GIBB. III	EXAM	EXAMINER		
Gibb & Rahma	ın, LLC	SAEED, USMAAN			
2568-A RIVA SUITE 304	ROAD		ART UNIT	PAPER NUMBER	
ANNAPOLIS,	MD 21401	2166			
			MAIL DATE	DELIVERY MODE	
			07/25/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Ī	Application No.	Applicant(s)	
	10/643,644	COCHRANE ET AL.	
	Examiner	Art Unit	
	USMAAN SAEED	2166	

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The MAILING DATE of this communication appe	ears on the cover sheet with the o	correspondence add	ress
THE REPLY FILED 14 July 2008 FAILS TO PLACE THIS APPI	LICATION IN CONDITION FOR AL	LOWANCE.	
<ol> <li>X The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods:</li> </ol>	the same day as filing a Notice of a replies: (1) an amendment, affidavited (with appeal fee) in compliance	Appeal. To avoid abar t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expiresmonths from the mailing b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire Is Examiner Note: If box 1 is checked, check either box (a) or	dvisory Action, or (2) the date set forth ater than SIX MONTHS from the mailing	date of the final rejection	n.
MONTHS OF THE FINAL REJECTION. See MPEP 706.07(		TINOTINE ET WASTI	
Extensions of time may be obtained under 37 CFR 1.138(a). The date have been filled is the date for purposes of determining the period of ext under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checket. Any reply re-ceived by the Office later may reduce any earned patient term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	tension and the corresponding amount of shortened statutory period for reply origing than three months after the mailing date	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as
<ol> <li>The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed w</li> </ol>	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	of the date of appeal. Since
<u>AMENDMENTS</u>			
<ol> <li>The proposed amendment(s) filed after a final rejection, t         <ul> <li>(a) They raise new issues that would require further cor</li> <li>(b) They raise the issue of new matter (see NOTE belo</li> </ul> </li> </ol>	nsideration and/or search (see NOTw);	E below);	
(c) They are not deemed to place the application in bet	ter form for appeal by materially rec	lucing or simplifying t	ne issues for
appeal; and/or (d) ☐ They present additional claims without canceling a c	corresponding number of finally rais	ated alaims	
NOTE: See Continuation Sheet. (See 37 CFR 1.1		cted claims.	
4. The amendments are not in compliance with 37 CFR 1.12		mnliant Amandment (	OTOL -324)
5. Applicant's reply has overcome the following rejection(s):		inpliant Americanient (	1 OL-324).
Newly proposed or amended claim(s) would be all non-allowable claim(s).	lowable if submitted in a separate, t	•	
<ol> <li>For purposes of appeal, the proposed amendment(s): a)       how the new or amended claims would be rejected is prov     The status of the claim(s) is (or will be) as follows:</li> </ol>		l be entered and an e	planation of
Claim(s) allowed:			
Claim(s) objected to:			
Claim(s) rejected: Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE			
The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).			
<ol> <li>The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary</li> </ol>	vercome <u>all</u> rejections under appear and was not earlier presented. Se	l and/or appellant fail ee 37 CFR 41.33(d)(1	s to provide a
10.  The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER		•	
<ol> <li>The request for reconsideration has been considered bu See Continuation Sheet.</li> </ol>	t does NOT place the application in	condition for allowan	ce because:
12.  Note the attached Information Disclosure Statement(s). (13.  Other:	(PTO/SB/08) Paper No(s)		
/Hosain T Alam/ Supervisory Patent Examiner, Art Unit 2166			

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06)

Continuation of 3. NOTE: The newly added claim limitations of: "creating a first work area associated an additional column for said adeptaria aggregate function of said AST; creating a second work area associated with variables and error estimate variables of distributive aggregate function used to compute said algebraic aggregate function, wherein each said variable and each said error estimate variable corresponds to a row of said AST, wherein each said error estimate variable estimates an error between a value of said variable; and wherein said variables and said error estimate variables are incrementally maintainable; upon receiving a query corresponding to said AST, populating and either inserting or deleting said variables and said error estimate variables within said second work area to provide an incrementally maintainaed variable and an incrementally maintained error estimate variable to said first work area; if a ratio of an estimated error value of said algebraic aggregate function for a given row of said AST to said incrementally maintained variable; on which were constituted value, corresponding to said given row, exceeds a threshold, then selectively recomputing a value for said variable, otherwise maintaining said incrementally maintained error estimate value of said variable, and reporting said algebraic aggregate function of said AST, based on either said recomputed value or said incrementally maintained error estimate value, in response to said query" found in the amended independent claims 1 and 21 raises new issues that would require further consideration and/or search.

Continuation of 11. does NOT place the application in condition for allowance because: The newly added claim limitations found in the amended independent claims 1 and 21, raise new issues that would require further consideration and/or search, and the claim limitations of the "finally rejected" claims are still met by Lehner et al (NPL "Maintenance of cube automatic summary tables") and Mumick et al (U.S. Patent No. 6,484,159).